



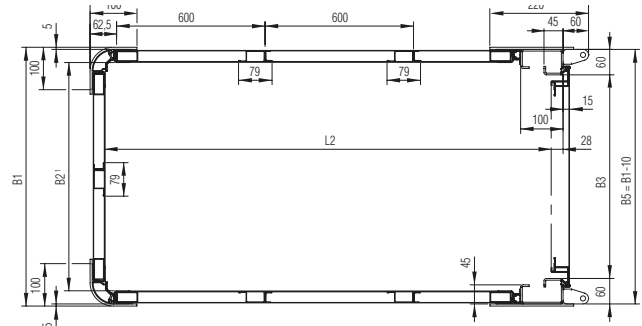
# WIHAG<sup>®</sup> Van Body kit





WIHAG®Van body kits are supplied to the bodybuilder ready for assembly, on transport racks that are easy to handle and store. Short unloading times, secure temporary storage and shortened assembly time ensure cost savings for the bodybuilder.

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# WIHAG®Van

## The body kit that covers all the options

Thanks to its innovative design and assembly principle, the WIHAG®Van body kit is sure to impress: by using state-of-the-art bonding technology, the design ensures certified quality together with an elegant appearance. Standard kits are available with either plywood, Sandwich, ultra, lite or clamped aluminium panels.

The external appearance of the WIHAG®Van is very impressive: free of any rivets or bolts, the walls and doors have smooth surfaces. The complete body kit is supplied powder-coated in MB 9147 (arctic white) or RAL 9010. On request, WIHAG®Van can, of course, also be supplied unfinished if it is to be specifically painted on-site. The flush edges of the side walls, bulkhead and cantrails as well as the concealed seals in the corner posts and cantrails, all enhance the kit's attractive appearance.



## Quick and easy assembly

Assembly of the body kit only requires mechanical fastening inside the body. All assembly holes are provided. There is no need to seal the individual components: only the front and rear corner castings need to be bonded by the bodybuilder. Cargo control pans and tracks are already installed, exactly where you need them.





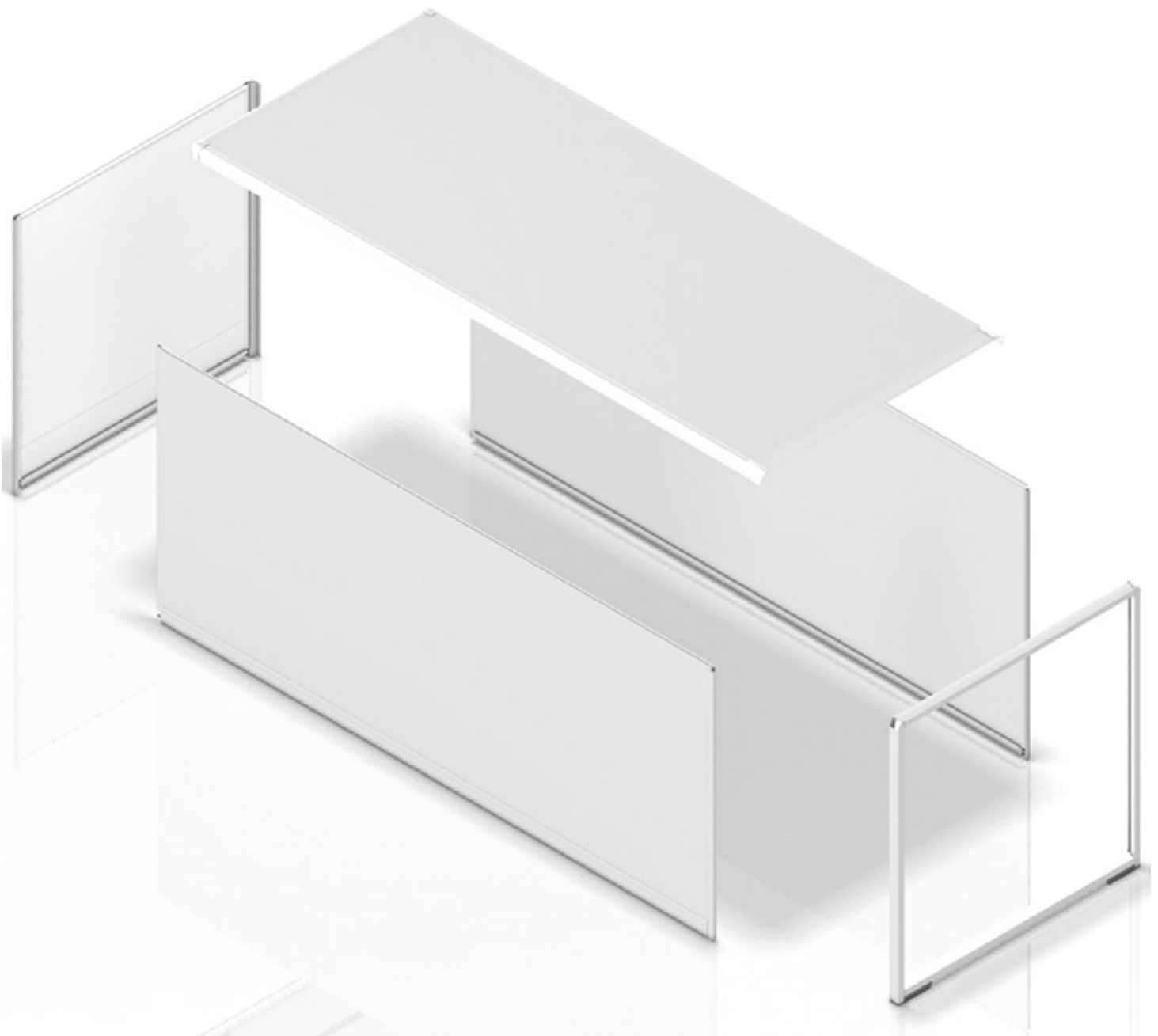
## Rear options

### Doors

— Aluminium or sandwich design, 2-, 3- or 4-leaf version, with one or two locks per leaf

### Tail-lift flap

- Aluminium, with gas springs
- Tail lift sealing system with guides, plus handrail on the right
- Roller shutter, e.g. TrainPlus® SK, prepared



## Roof

### Roof frame

- Aluminium cantrail
- Steel cross member, white coating
- Roof skin is GRP (translucent) or aluminium sheeting (bonded), additionally secured using a clip system.

### Roof fittings

- GRP polyester roof light (in aluminium roof)
- Ceiling lights

### Sandwich roof 30 mm

- Aluminium cantrail

### Roof fittings

- Roof lights



## Rear door frame

- Roof rails made of aluminium, corner pillars made of steel and sporting the colour of the body kit, bottom rail made of stainless steel
- Corner pillar width, 50 mm (bolted door frame)
- Steel, galvanised (welded door frame)
- Corner pillar width, 60 mm (welded door frame)
- Bottom member height, depending on floor thickness (18, 21, 24, 27), from 101 to 110 mm, Bottom member height when the body has a tail-lift flap is always 70 mm
- Header for fitting roller shutter:  
Header height to suit type of roller shutter  
Upper facing 110 – 210 mm



## Bulkhead and side walls

- Available in plywood, sandwich, ultra, lite or clamped aluminium
- Walls have an integrated kick strip

### Fittings

- Cargo control pans and tracks
- 6 mm wooden lining (only for standard aluminium)
- Doors and flaps in the side walls
- Doors 1- leaf or 2-leaf
- Flaps with or without gas springs, opening up or down



### Wide range of bodywork options

Whether for short or long distances, for garment transport or for use as a distribution van, WIHAG®Van offers a comprehensive range of bodywork options. The length, width and height can all be supplied in 25 mm increments as shown below.

	<b>Lenght L1 [mm]</b>	<b>Width B1 [mm]</b>	<b>Height H1 [mm]</b>
Plywood 14 mm	2985 - 6185	1800 - 2550	1785 - 2610
Plywood 17 mm	2985 - 13710	1800 - 2550	1785 - 2710
Plywood 20 mm	2985 - 13710	1800 - 2550	1785 - 3260
Sandwich 25 mm	2985 - 8685	1800 - 2550	1785 - 2760
Sandwich 25 mm reinforced	8710 - 13710	1800 - 2550	2785 - 3260
Lite (25 mm Sandwich)	2985 - 7510	1800 - 2550	1785 - 2585
Ultra 14 mm	2985 - 5685	1800 - 2550	1785 - 2560
Ultra 17 mm	2985 - 8085	1800 - 2550	1785 - 2760
Ultra 20 mm	2985 - 8685	1800 - 2550	1785 - 3060
Ultra 20 mm	2985 - 11685	1800 - 2550	1785 - 2760
Clamped aluminium (28 mm without internal lining)	2985 - 13710	1800 - 2550	1785 - 3210

WIHAG®Van offers plenty of design freedom to satisfy individual customer requirements.



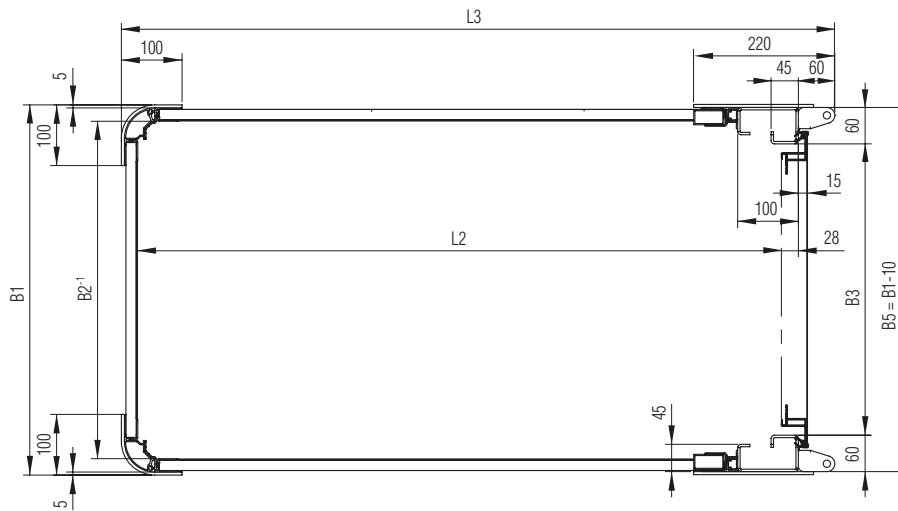
# Overview

## WIHAG®Van body kits – Overview

		<b>WIHAG®Van Plywood</b>	<b>WIHAG®Van Sandwich</b>	<b>WIHAG®Van Ultra</b>	<b>WIHAG®Van Aluminium</b>	<b>WIHAG®Van Lite</b>
<b>2 side walls</b>	Material	Plywood	GRP, Sandwich	GRP, Sandwich	Aluminium	GRP, Sandwich
	Wall thickness (mm)	14   17   20	25	14   17   20	28	25
	Rave flange height (mm)	80	80	80	80	80
	Steel kick strip (mm) fitted inside	approx. 275	approx. 275	approx. 275	approx. 275	approx. 275
	Powder coated finish	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010
	Surface	smooth	smooth	smooth	clamped panels	smooth
	Pillar spacing (mm)	-	-	-	600	-
	Pillar material	-	-	-	Steel	-
<b>1 bulkhead</b>	Material	Plywood	GRP, Sandwich	GRP, Sandwich	Aluminium	GRP, Sandwich
	Wall thickness (mm)	17   20	25	17   20	28	25
	Rave height (mm)	80	80	80	80	80
	Steel kick strip (mm) fitted inside	approx. 275	approx. 275	approx. 275	approx. 275	approx. 275
	Powder coated finish	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010
	Surface	smooth	smooth	smooth	clamped panels	smooth
	Pillar spacing (mm)	-	-	-	600	-
	Pillar material	-	-	-	Steel	-
<b>1 roof</b>	Type	one-piece, smooth	one-piece, smooth	one-piece, smooth	one-piece, smooth	one-piece, smooth
	Material	GRP, translucent	GRP, translucent	GRP, translucent	GRP, translucent	GRP, translucent
	Wall thickness (mm)	1,8	30	1,8	1,8	30
	Cross member spacing (mm)	600	-	600	600	-
	Cantrail	rounded	rounded	rounded	rounded	rounded
	Powder coated finish of extrusions	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010	MB 9147 (Arctic White) or RAL 9010
<b>1 rear frame with doors</b>	Welded design	steel construction	steel construction	steel construction	steel construction	steel construction
	Bolted design	stainless steel bottom rail, steel corner pillars, aluminium roof rail	stainless steel bottom rail, steel corner pillars, aluminium roof rail	stainless steel bottom rail, steel corner pillars, aluminium roof rail	stainless steel bottom rail, steel corner pillars, aluminium roof rail	stainless steel bottom rail, steel corner pillars, aluminium roof rail
	2 doors	fitted in rear frame	fitted in rear frame	fitted in rear frame	fitted in rear frame	fitted in rear frame
	Material	Aluminium, smooth bordered	Aluminium, smooth bordered	Aluminium, smooth bordered	Aluminium, smooth bordered	Aluminium, smooth bordered
	Locking gear in right door	recessed, lockable	recessed, lockable	recessed, lockable	recessed, lockable	recessed, lockable
	Internal lining	galvanised steel/primed	galvanised steel/primed	galvanised steel/primed	galvanised steel/primed	galvanised steel/primed

# Plywood, sandwich, ultra and lite rear door frame dimensions, weld-on type

## View from above



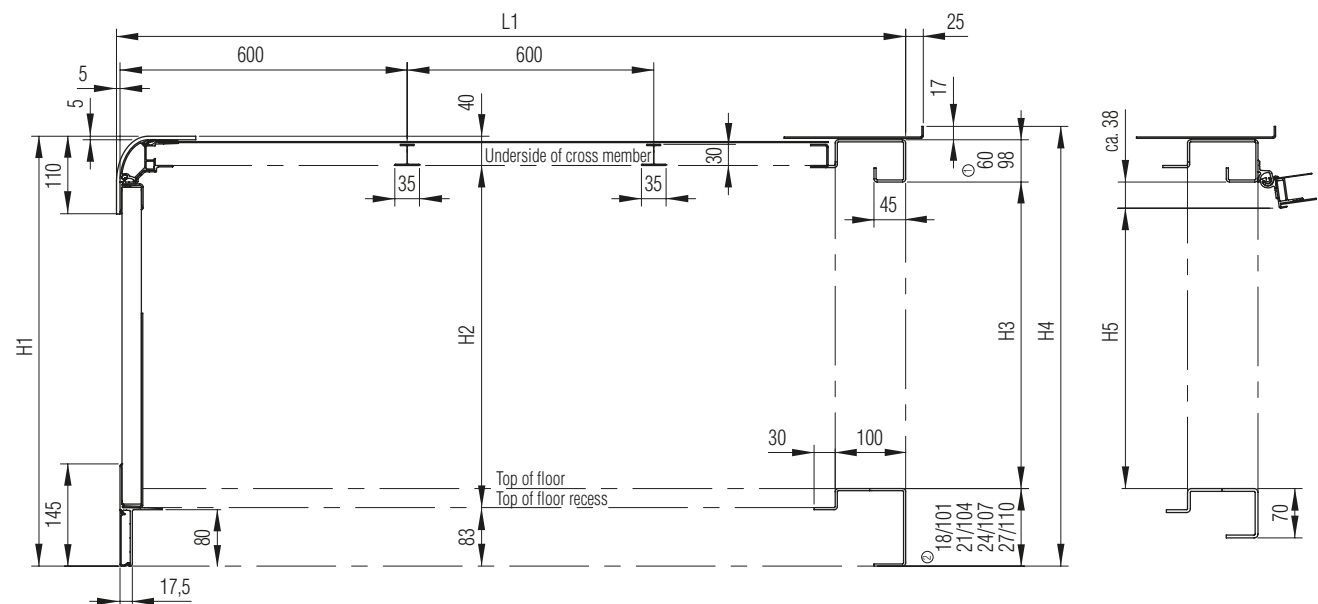
<sup>1</sup> Internal dimensions

Panel-thickness	Width B2 [mm]	Length L2 [mm]
14 mm	B1 - 47	L1 - 52
17 mm	B1 - 53	L1 - 55
20 mm	B1 - 59	L1 - 58
25 mm	B1 - 69	L1 - 63

## Side view

### Bottom member, standard

### Bottom member, tail-lift flap



L1 = external length of roof from bulkhead roof corners to outer edge of rear frame header

L2 = internal length between bulkhead kick strip and inner face of rear doors (tail-lift flap)

L3 = overall external length from bulkhead roof corners to outer edge of door hinges

B1 = overall width across roof corners

B2 = internal width measured between the kick strips on the side walls

B3 = clear aperture width through rear frame

B5 = external width of rear frame

H1 = external height from roof corners to bottom of side rave

H2 = internal height from roof cross member to top of floor recess, floor thickness 18, 21, 24, 27 mm

H3 = clear aperture height through rear frame

H4 = overall height from top of roof to bottom of side rave / bottom of rear frame member

H5 = clear aperture height through rear frame if tail-lift flap fitted

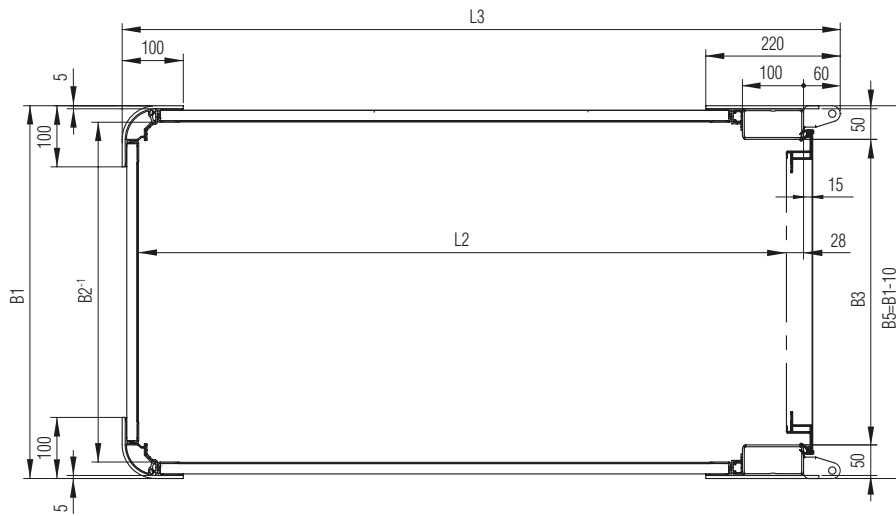
1 = rear header: 60 mm for doors with recessed door gear and for flap over tail-lift rear header: 98 mm for doors with external door gear

2 = height of rear frame bottom member depends on floor thickness

Dimensions in mm

# Plywood, sandwich, ultra and lite rear frame dimensions, bolt-on type

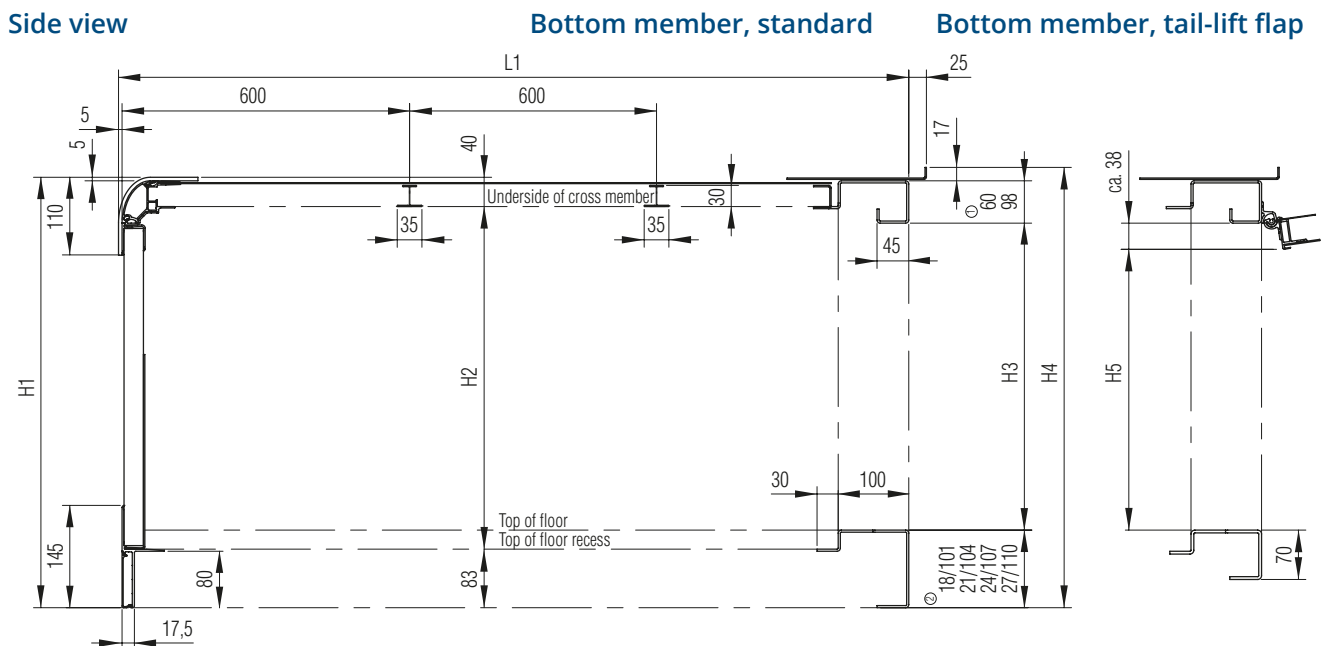
## View from above



<sup>1</sup> Internal dimensions

Panel-thickness	Width B2 [mm]	Length L2 [mm]
14 mm	B1 - 47	L1 - 52
17 mm	B1 - 53	L1 - 55
20 mm	B1 - 59	L1 - 58
25 mm	B1 - 69	L1 - 63

## Side view



L1 = external length of roof from bulkhead roof corners to outer edge of rear frame header

L2 = internal length between bulkhead kick strip and inner face of rear doors (tail-lift flap)

L3 = overall external length from bulkhead roof corners to outer edge of door hinges

B1 = overall width across roof corners

B2 = internal width measured between the kick strips on the side walls

B3 = clear aperture width through rear frame

B5 = external width of rear frame

H1 = external height from roof corners to bottom of side rave

H2 = internal height from roof cross member to top of floor recess, floor thickness 18, 21, 24, 27 mm

H3 = clear aperture height through rear frame

H4 = overall height from top of roof to bottom of side rave / bottom of rear frame member

H5 = clear aperture height through rear frame if tail-lift flap fitted

1 = rear header: 60 mm for doors with recessed door gear and for flap over tail-lift  
rear header: 98 mm for doors with external door gear

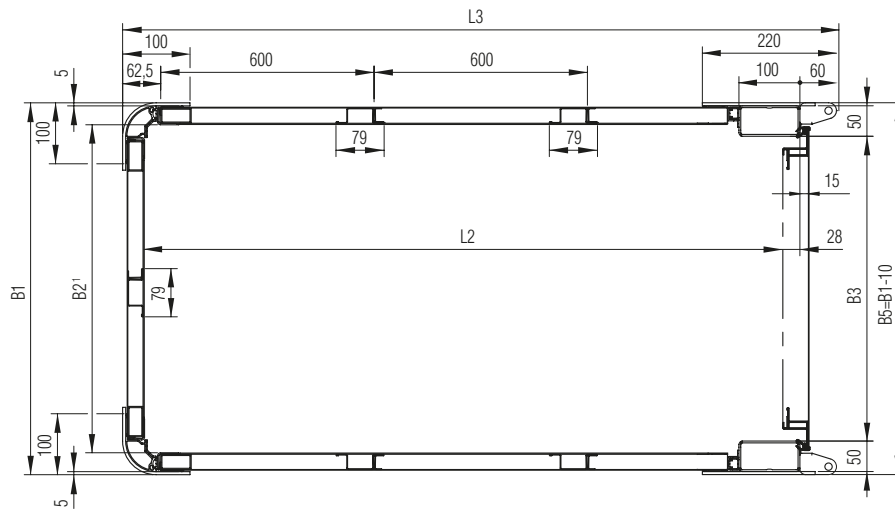
2 = height of rear frame bottom member depends on floor thickness

Dimensions in mm



# Clamped aluminium rear door frame dimensions, bolt-on type

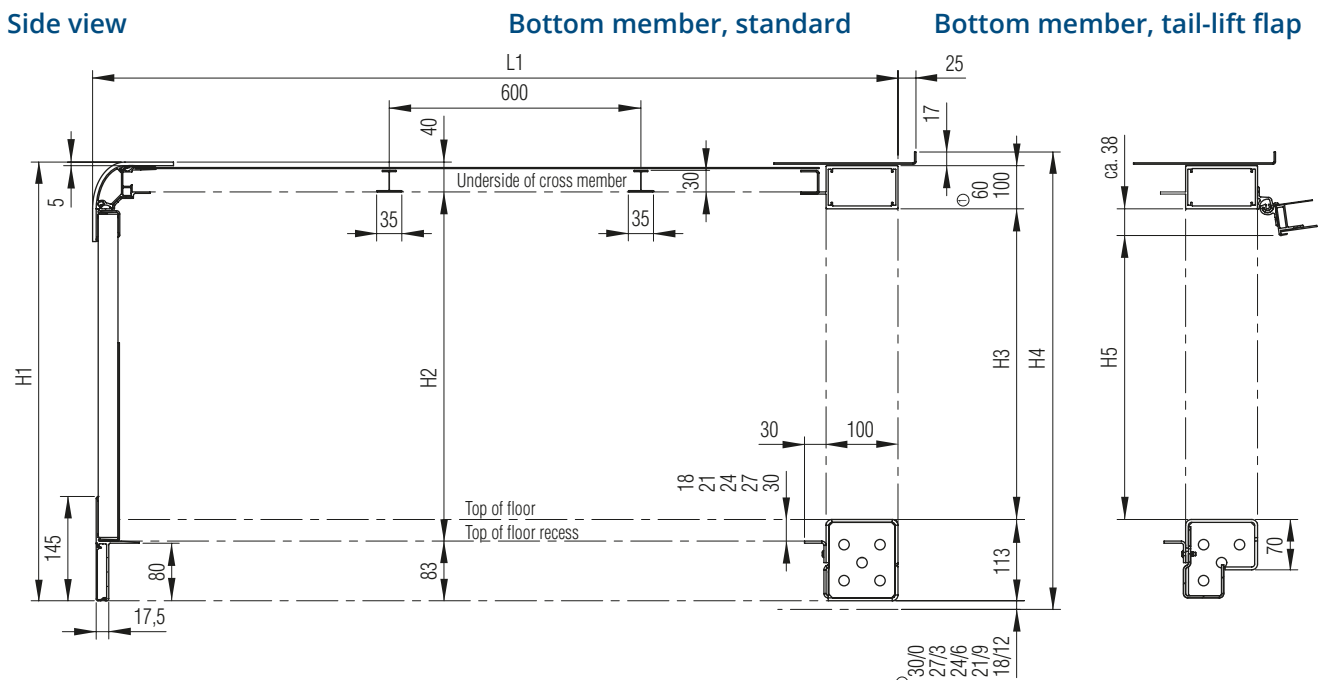
## View from above



<sup>1</sup> Internal dimensions  
(without interior trim)

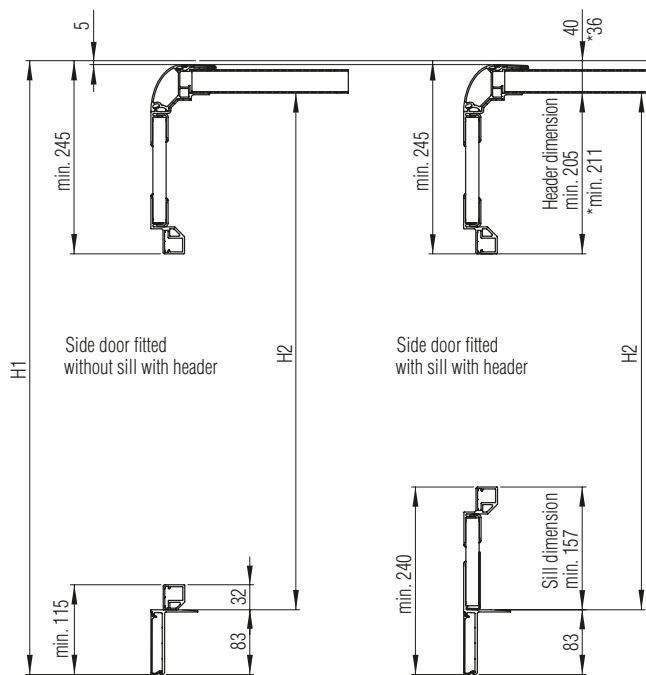
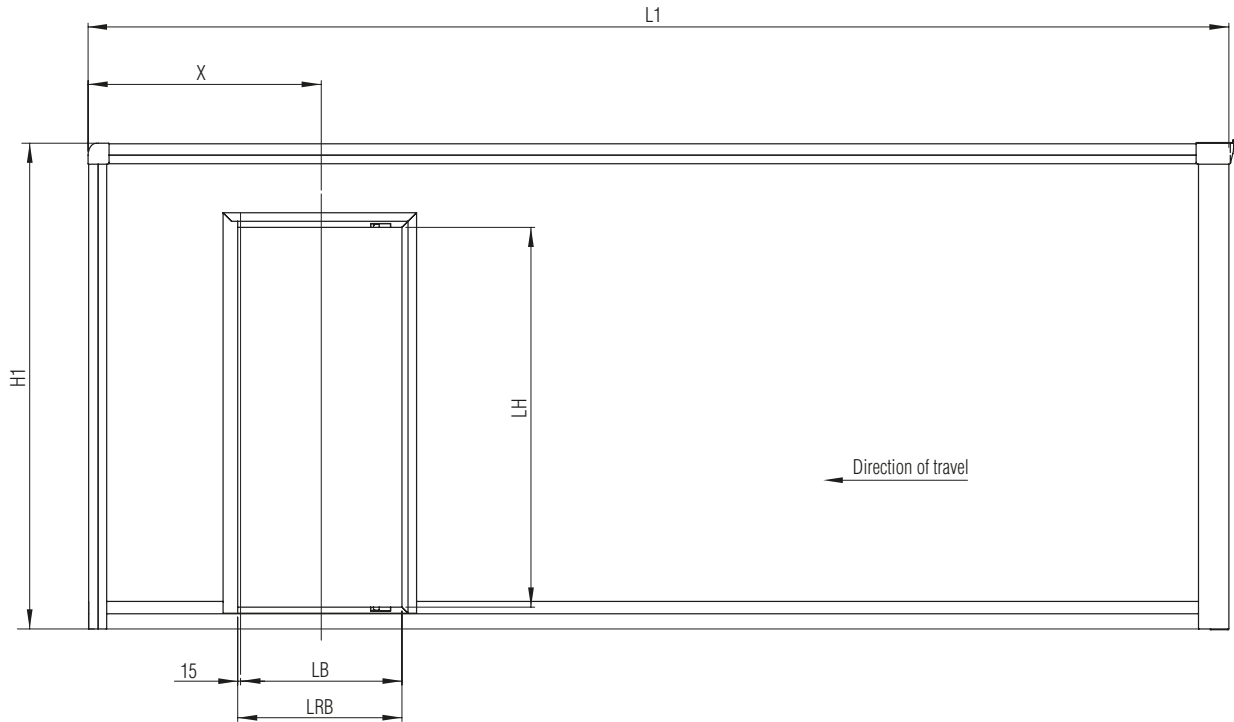
Width B2 [mm]	Length L2 [mm]
B1 - 75	L1 - 66

## Side view

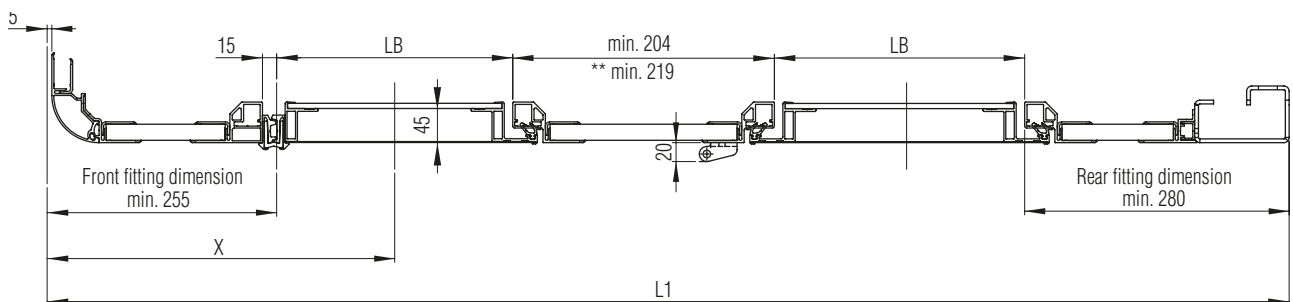


- L1 = external length of roof from bulkhead roof corners to outer edge of rear frame header
  - L2 = internal length between bulkhead kick strip and inner face of rear doors (tail-lift flap)
  - L3 = overall external length from bulkhead roof corners to outer edge of door hinges
  - B1 = overall width across roof corners
  - B2 = internal width measured between the kick strips on the side walls
  - B3 = clear aperture width through rear frame
  - B5 = external width of rear frame
  - H1 = external height from roof corners to bottom of side rave
  - H2 = internal height from bottom of roof to top of floor recess; floor thickness 18, 21, 24, 27, 30 mm
  - H3 = clear aperture height through rear frame
  - H4 = overall height from top of roof to bottom of side rave / bottom of rear frame member
  - H5 = clear aperture height through rear frame if tail-lift flap fitted
  - 1 = rear header: 60 mm for doors with recessed door gear and for flap over tail-lift rear header: 100 mm for doors with external door gear
  - 2 = height of inside bottom member depends on floor thickness
- Dimensions in mm

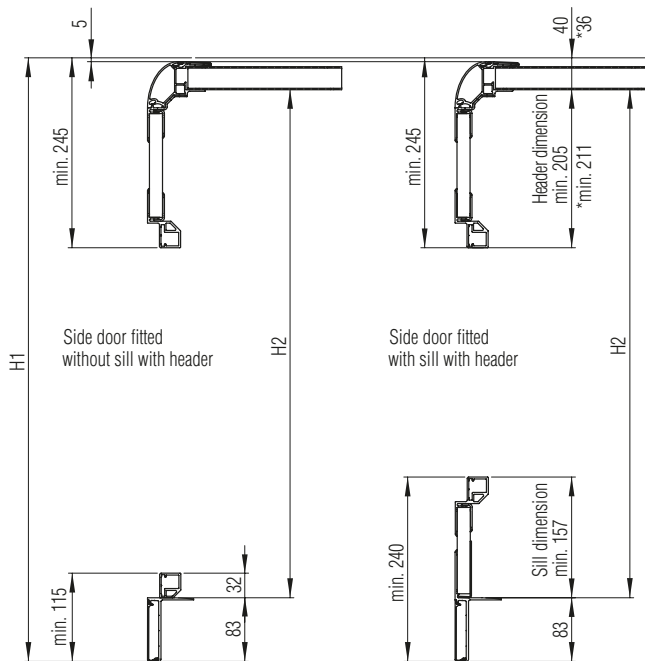
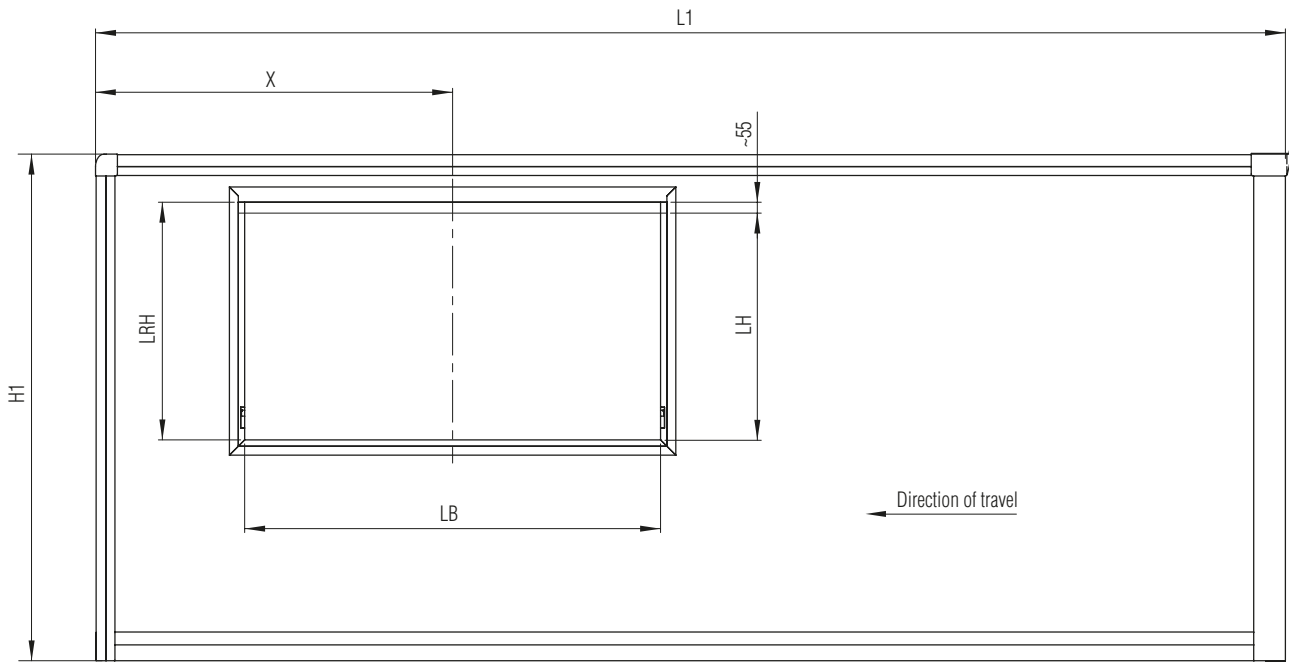
# Side door dimensions



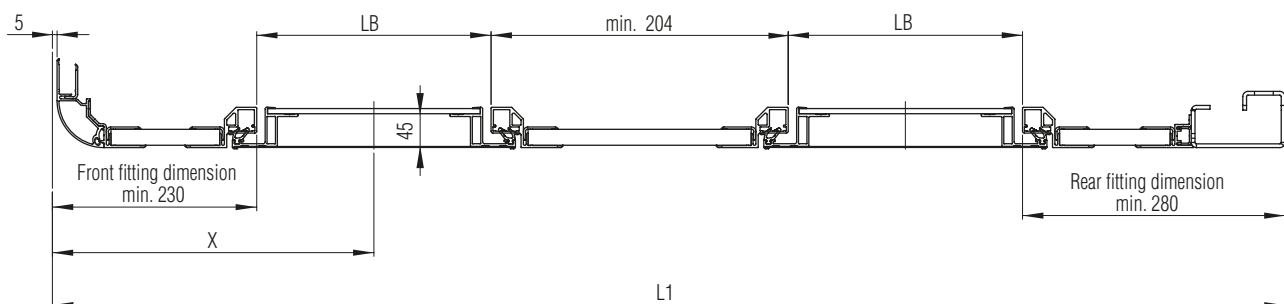
- L1 = external length of roof from bulkhead roof corners to outer edge of rear frame header
- LH = clear height
- LB = clear width
- LRB = clear frame width
  
- H1 = external height from roof corners to bottom of side rave
- H2 = internal height from roof cross member to top of floor recess; floor thickness 18, 21, 24, 27 mm, and 30 mm in the case of a bolted rear frame
  
- X1 = external dimension from roof corner to middle of door unit
  
- \* = dimension with sandwich roof 30
- \*\* = dimension for door mounted fittings



# Flap dimensions



- L1 = external length of roof from bulkhead roof corners to outer edge of rear frame header
- LH = clear height
- LB = clear width
- LRB = clear frame width
- H1 = external height from roof corners to bottom of side rail
- H2 = internal height from roof cross member to top of floor recess; floor thickness 18, 21, 24, 27 mm and 30 mm in the case of a bolted rear frame
- X1 = external dimension from roof corner to middle of door unit
- \* = dimension with sandwich roof 30



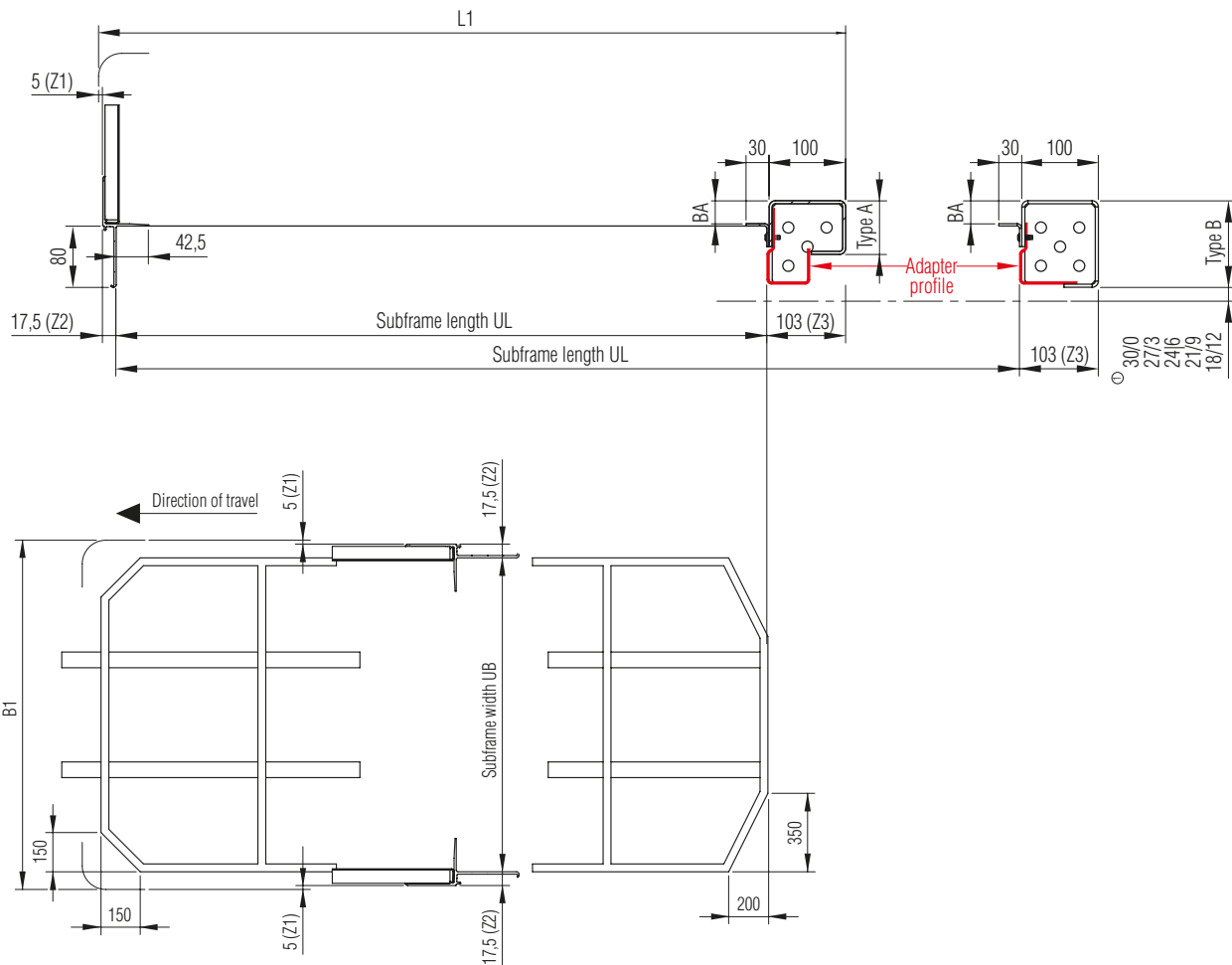
# Subframe dimensions with adapter profile / bolt-on rear frame

## Calculation of subframe dimensions

<b>Formula:</b> Subframe dimensions = external length or width - adjustment dimension	
<b>Description:</b>	
Subframe dimensions	= UL subframe length = UB subframe width
External length	= L1 external length of roof from bulkhead roof corners to outer edge of rear frame header
External width	= B1 overall width across roof corners
Adjustment dimension	= Z1 corner adjustment = Z2 Differenzmaß Untergurt = Z3 Differenzmaß Bodenholm
<b>Sample calculation:</b> Subframe length UL = L1 - Z1 - Z2 - Z3 Subframe width UB = B1 - (Z1 + Z1) - (Z2 + Z2)	

## Subframe dimensions of body kit with base assembly and bulkhead at the front and a rear door frame

Rear frame bottom member Type A	Rear frame bottom member Type B	Subframe length UL only with adapter profile [mm]	Subframe width UB [mm]
BA 18/70	BA 18/113	L1 - 125,5	B1 - 45
BA 21/70	BA 21/113	L1 - 125,5	B1 - 45
BA 24/70	BA 24/113	L1 - 125,5	B1 - 45
BA 27/70	BA 27/113	L1 - 125,5	B1 - 45



# Subframe dimensions with and without adapter profile / weld-on rear frame

## Calculation of subframe dimensions

**Formula:**  
 Subframe dimensions = external length or width - adjustment dimension

---

**Description:**  
 Subframe dimensions = UL subframe length  
 = UB subframe width External length  
 = L1 external length of roof from bulkhead roof corners to outer edge of rear frame header

**External width** = B1 overall width across roof corners  
**Adjustment dimension** = Z1 corner adjustment  
 = Z2 Differenzmaß Untergurt  
 = Z3 Differenzmaß Bodenholm

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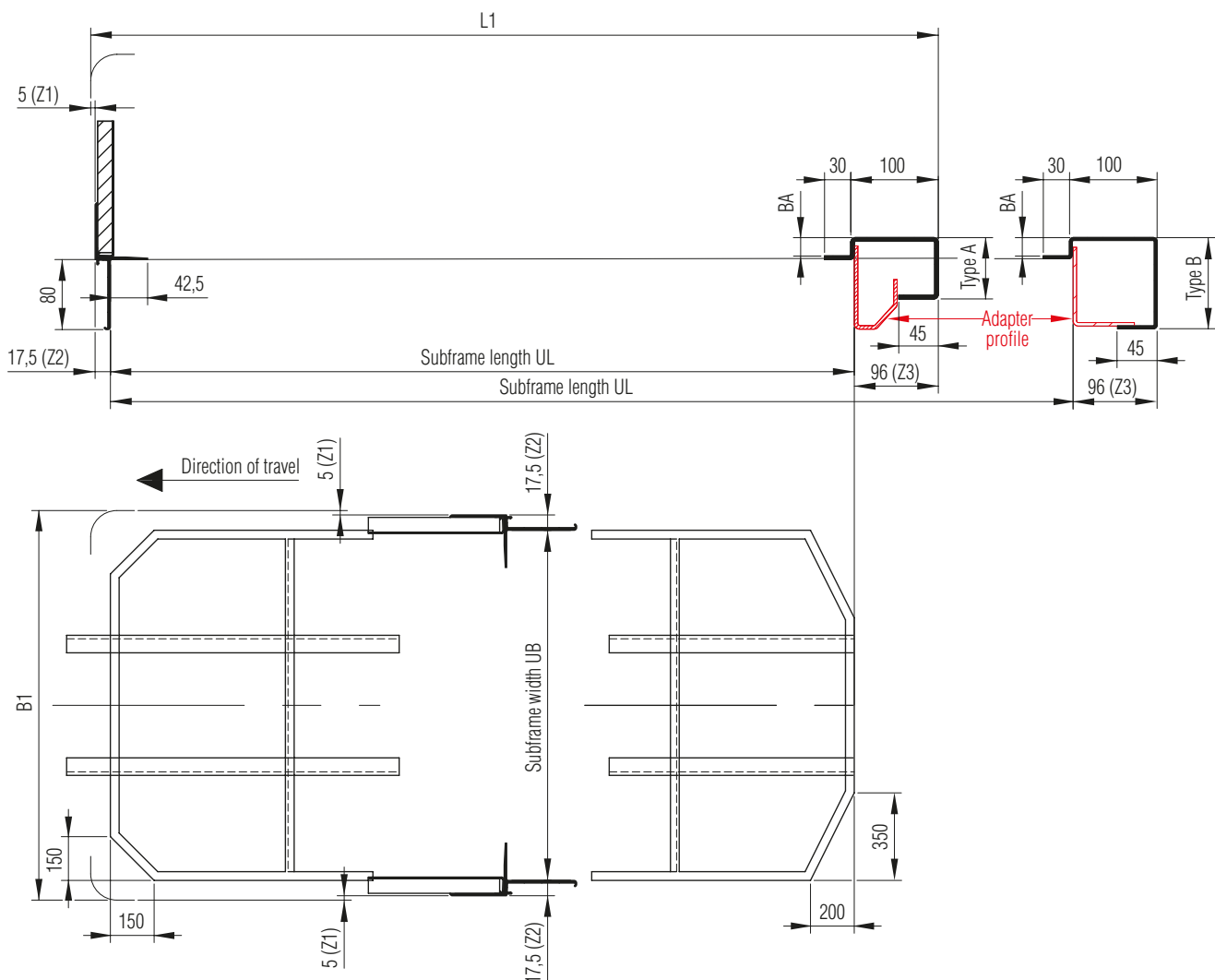
**Sample calculation:**  
 Subframe length UL = L1 - Z1 - Z2 - Z3  
 Subframe width UB = B1 - (Z1 + Z1) - (Z2 + Z2)

## Subframe dimensions of body kit with base assembly and bulkhead at the front and a rear door frame

Rear frame bottom member Typ A	Rear frame bottom member Typ B	Subframe length UL		Subframe width UB
		with adapter profile <sup>1</sup> [mm]	without adapter profile <sup>2</sup> [mm]	[mm]
BA 18/70	BA 18/101	L1 - 118,5	L1 - 67,5	B1 - 45
BA 21/70	BA 21/104	L1 - 118,5	L1 - 67,5	B1 - 45
BA 24/70	BA 24/107	L1 - 118,5	L1 - 67,5	B1 - 45
BA 27/70	BA 27/110	L1 - 118,5	L1 - 67,5	B1 - 45

<sup>1</sup> With adapter profile for WIHAG®Van Frame subframe

<sup>2</sup> Without adapter profile for in-house manufacture of subframe





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## About us

WIHAG was founded in 1945 and has been a supplier to the European commercial vehicle industry ever since. Initially, it acted only as a trader and, since the mid-seventies, also as a producer of its own products.

From 2005 onwards, we have consistently focused on in-house developed vehicle components with the highest technical standards and outstanding quality, produced at our site in Stadtilm near Erfurt.

European associated companies complete our capacities and manufacturing capabilities.

We offer solutions for a wide range of products from the transport industry: Components for bodies, complete body kits, add-on parts for chassis and swap bodies.

### Headquarter

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